

INFORMATION REPORT

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1. Location:

In the inner yard of the "Dom Promishlenost" sky-
scraper in Sverdlovsk (30°38'E/56°50'N).

2. Designation:

Radio Zavod 626.

3. Work force:

An estimated 120 to 150 men working from 9 a.m.
to 5 p.m. The number of skilled workers was small.

4. Plant history:

The plant was put into operation about 1947. It
was not yet fully equipped. The machinery was dis-
mantled at the Leewe-Opta Firm in Berlin. [redacted]
[redacted] a book from the library which was marked
"Leewe, Patents Department".

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5. Installations:

The plant was in an uncompleted tower and had three
workshops occupying three different stories, each
with a floor space of 50 x 10 meters. Auxiliary
rooms were used by the test department of the plant

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or the administration. Ground floor: A new workshop was being set up. No details available. Second floor: Mechanical department. Manufacture of screening sheets, frequency scales, band filters and coil units. Equipment: Twelve lathes, about ten automatic machines for the winding of coils, punching and boring machines. The machines were very close together. The machines [redacted] were first class. Not all of them were used. Third floor: Assembly room, no conveyor belt, about 40 working places. Four to six test stands screened off from the rest of the room. A small spare parts depot and a library with technical publications from Germany, the USA, Great Britain and France were also available. A room in which Soviet technicians worked, presumably a laboratory, was also on this floor. Source saw a large number of measuring instruments there. [redacted]

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[redacted] the Soviets were experimenting with a German torpedo remote control device. [redacted]

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6. Production:

A six-tube radio set (Super) with a record player [redacted] The radio set had the following

set of tubes:

Type 6 SA 7 mixer tube,
Type 6 K 7 intermediate frequency amplifier,
Type 6 Q 7 rectifier and input tube,
Type 6 P 6 terminal tube,
Type 6 E 5 indicator,
Type 5 Z 4 mains rectifier for alternate current of 110, 220 and 240 volts.

These tubes were of US make according to markings.

[redacted] of the RCA manufacturing firm. There were also Soviet copies of these American tubes marked by Soviet letters. The Soviets produced only type 6Q7, 6P6, 6E5 and 5Z4 tubes. [redacted] the plant had just finished the 500th receiver. Helmets as used by tank troops were fitted with microphones and headphones. (heard from co-PWs). No details available on where the finished helmets were sent. [redacted]

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[redacted] PWs had trucked away 500 such helmets in one day.

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7. Difficulties experienced in the development of the type Ural-48 radio set:
All the sets lacked a satisfactory tuning system. [redacted] this problem proved a very hard problem to the Soviet engineers.

8. Needed materials and spare parts were stored in a not yet completed wing of the skyscraper. Since the roof of the wing leaked, the stored materials were gradually spoiled. Tubes, coils, resistances, condenser tubes, German T-receivers, DORA sets were stored in this room. The PW transport detail had to pick up the needed spare parts from different plants in the vicinity. No details available on these missions. The loud speakers which were installed in the Ural-48 set were delivered from Moscow as determined from the lettering of the boxes.

9. Power was supplied from without. A small transformer station was under construction.

[redacted] Comment: The existence of the new radio plant in Sverdlovsk is confirmed by a report published in the Izvestiya of 8 May 1948, according to which a Sverdlovsk radio plant had started production. Five thousand sets of type Ural-48 were scheduled to be produced by the end of 1948. The plant [redacted] had not been known before. The plant is probably the same as that mentioned in a previous report. (1) The report is of special value because of its exact data on the type of the radio set produced in Sverdlovsk and the tubes used for it. [redacted]

[redacted] The data on the other production are vague. The mentioned testing of a remote control device for torpedoes can only be taken as an indication that experiments with military equipment are also made at the plant.

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